

ABACUS

Abacus is an instrument used for counting numbers.

It has rods and we can slide the beads in the rods to represent numbers.

The rod on the extreme right is ONES rod.

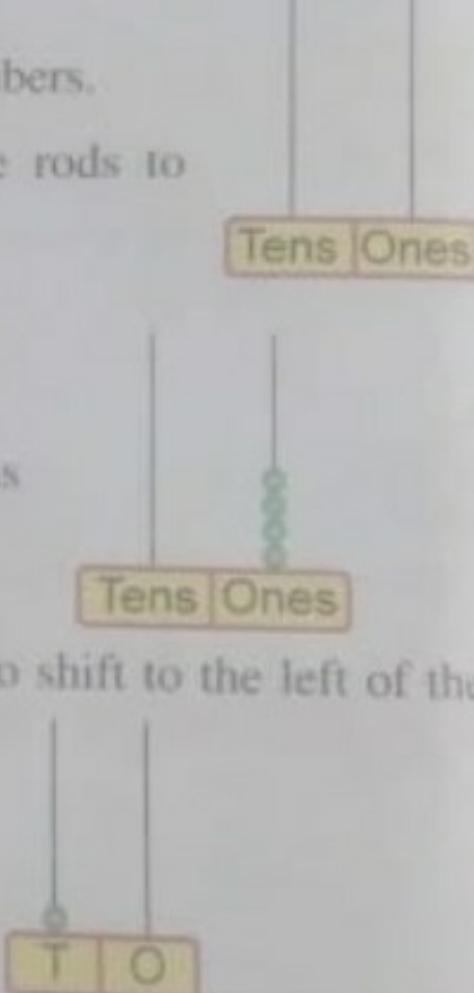
The number represented by the abacus is 4, as there are 4 beads in the ones rods.

We can place up to 9 beads in a rod.

To represent number 10 on the abacus we need to shift to the left of the ones rod that is TENS rod.

We write T for tens and O for ones.

10 is represented on the abacus as



You can see there is no bead on the ones place and 1 bead at the tens place, therefore, ten is written as 1 and 0.
That is 1 ten = 10.

We know that 10 is represented on the abacus as



Let us see how we can represent other numbers on the abacus.

Abacus	Tens	Ones	Number	Number name
	1	1	11	Eleven
	1	2	12	Twelve
	1	3	13	Thirteen
	1	4	14	Fourteen
	1	5	15	Fifteen
	1	6	16	Sixteen
	1	7	17	Seventeen
	1	8	18	Eighteen
	1	9	19	Nineteen
	2	0	20	Twenty

ORDERING OF NUMBERS

Increasing Order (Ascending Order)
Ascend means going up.

1

2

3

5

Ascending order means arranging the numbers from smallest to the greatest.



Try These

Arrange the following numbers in ascending order :

12, 14, 15, 6

7, 15, 9, 2

14, 19, 16, 17

18, 12, 11, 13

Decreasing Order (Descending Order)

Descend means to come down.

8

7

5

2

Descending order means arranging numbers from greatest to smallest.



Try These

THE NUMBER TEN

Ritu has 9 pencils. Her mother gave her 1 more.

She kept all the pencils in a box.

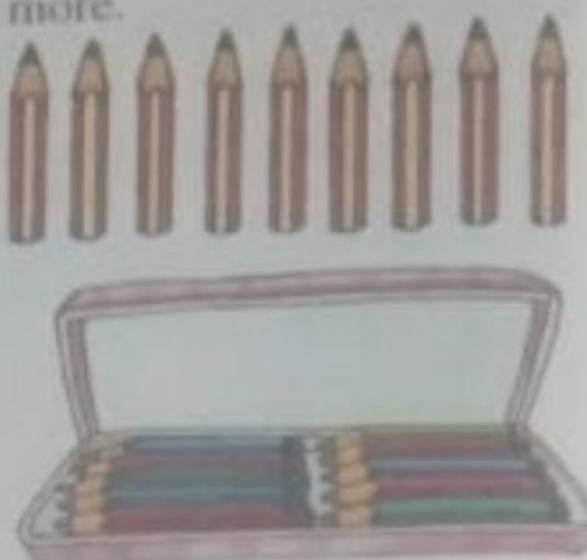
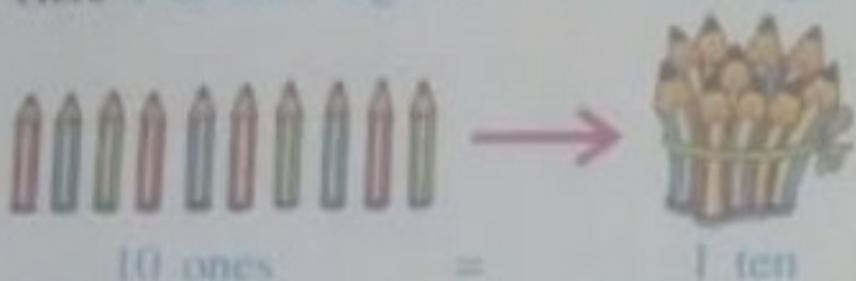
One more than 9 is called **ten**.

Ten is written as **10**.

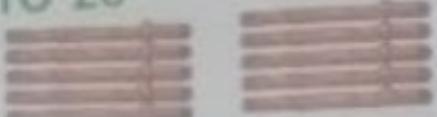
The number 10 has two parts : 1 and 0.

Each part is called a **digit**.

Here 0 is ones digit and 1 is tens digit.



NUMBERS FROM 11 TO 20



→
1 ten

10 ones



10 and 1 more = 11 Eleven



10 and 2 more = 12 Twelve



10 and 3 more = 13 Thirteen



10 and 4 more = 14 Fourteen



10 and 5 more = 15 Fifteen



10 and 6 more = 16 Sixteen



10 and 7 more = 17 Seventeen



10 and 8 more = 18 Eighteen

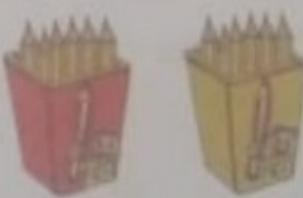


10 and 9 more = 19 Nineteen



10 and 10 more = 20 Twenty
or 2 tens = 20

Greater than, Less than, Equal to



6 is greater than 4.
We write 'greater than'
as '>'.

$$\text{So, } 6 > 4.$$

6 is greater than 4

4 is less than 6.
We write 'less than'
as '<'.

$$\text{So, } 4 < 6.$$

4 is less than 6

6 is equal to 6.
We write 'equal to'
as '='.

$$\text{So, } 6 = 6.$$

6 is equal to 6.

COMPARING NUMBERS



Plate A has same number of mangoes as plate B.

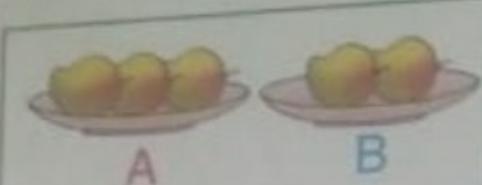


Plate A has more mangoes than plate B.

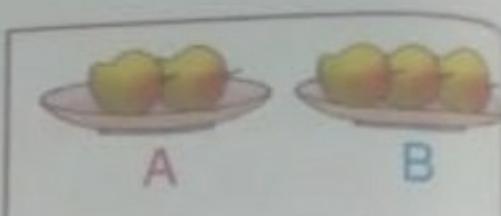


Plate A has less mangoes than plate B.